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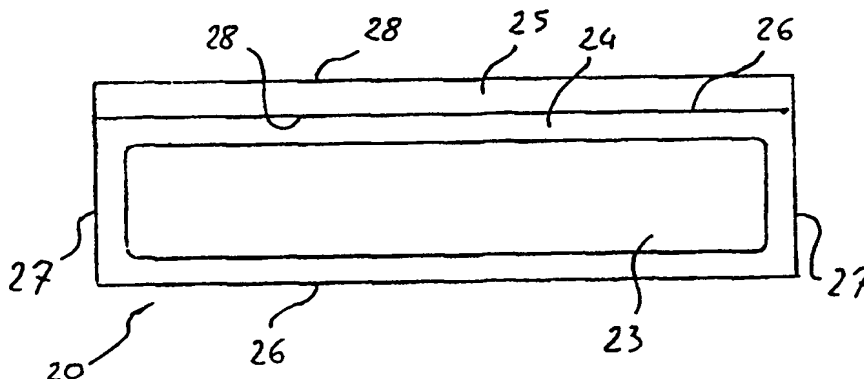
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(54) Title: HIGH TEMPERATURE SUPERCONDUCTING CABLE AND PROCESS FOR MANUFACTURING THE SAME

(57) Abstract

A high temperature superconducting cable comprises a tubular support, a plurality of superconducting tapes spirally wound onto said support so as to form one or more superconducting layers, electroinsulating means for the superconducting layer, refrigerating means and thermal insulation means to keep the superconducting layer below a predetermined working temperature. According to the invention, the superconducting tapes comprise superconducting material enclosed by a metal covering to which at least a metal strip is connected.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H01B12/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 786 783 A (PIRELLI) 30 July 1997 see page 4, line 24 - page 9, line 44; figures 1-3	1, 15, 18
A	EP 0 743 658 A (THE BABCOCK & WILCOX COMP.) 20 November 1996 see column 3, line 20 - column 5, line 3; figures 1-3D	1-3, 5, 10, 18-21



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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7 January 1999

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 786783 A	30-07-1997	IT MI952776 A	30-06-1997
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		CA 2193917 A	29-06-1997
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		NZ 299952 A	19-12-1997
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		US 5718034 A	17-02-1998

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☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.*** Special categories of cited documents:****"A"** document defining the general state of the art which is not considered to be of particular relevance**"E"** earlier document but published on or after the international filing date**"L"** document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)**"O"** document referring to an oral disclosure, use, exhibition or other means**"P"** document published prior to the international filing date but later than the priority date claimed**"T"** later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention**"X"** document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone**"Y"** document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.**"S"** document member of the same patent family

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